

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

1-46. (Canceled)

47. (Previously Presented) A monolithic catheter hub comprising:
a proximal hub portion;
a distal strain relief portion;
a lumen extending between the proximal hub portion and the distal strain relief portion, an axis extending down the center of the lumen; and
a hollow tube held at least partially within the lumen and extending distally therefrom;

wherein the proximal hub portion and the distal strain relief portion are monolithically molded as a single piece of a single material;

wherein the distal strain relief portion has a first flexibility adjacent a distal end thereof and a second flexibility different from the first flexibility adjacent a proximal end thereof;

wherein the distal strain relief portion is molded with one or more grooves, the one or more grooves formed along planes extending at an angle to the axis.

48. (Previously Presented) The monolithic catheter hub of claim 47, wherein the lumen is configured to receive and retain an end of a catheter tube.

49. (Previously Presented) The monolithic catheter hub of claim 47, wherein the strain relief portion is molded with a plurality of grooves extending orthogonally into the strain relief portion.

50. (Previously Presented) The monolithic catheter hub of claim 47, wherein the proximal hub portion is molded to include a threaded connector section.

51. (Previously Presented) The monolithic catheter hub of claim 47, wherein the proximal hub portion is molded to include transversely extending wings.

52. (Currently Amended) The monolithic catheter hub of claim 47, monolithically molded of nylon.

53. (Currently Amended) The monolithic catheter hub of claim 47, monolithically molded of polyether block amide polymer.

54. (Previously Presented) A catheter comprising:
a monolithic hub comprising:
a proximal hub portion;
a distal strain relief portion; and
a lumen extending between the proximal hub portion and the distal strain relief portion, an axis extending down the center of the lumen; and
a catheter tube having a proximal portion and a distal portion, the proximal portion disposed within the lumen;

wherein the monolithic hub is monolithically molded as a single piece of a single material;

wherein the distal strain relief portion has a first flexibility adjacent a distal end thereof and a second flexibility different from the first flexibility adjacent a proximal end thereof; and

wherein the distal strain relief portion is molded with one or more grooves, the one or more grooves formed along planes extending at an angle to the axis.

55. (Previously Presented) The catheter of claim 54, wherein the proximal portion of the catheter tube includes a flared proximal end.

56. (Previously Presented) The catheter of claim 54, wherein the monolithic hub is molded onto the proximal portion of the catheter tube.

57. (Previously Presented) The catheter of claim 54, wherein the strain relief portion is molded with a plurality of grooves extending orthogonally into the strain relief portion.

58. (Previously Presented) The catheter of claim 54, wherein the strain relief portion is molded with a helical groove extending into the strain relief portion.

59. (Canceled)

60. (New) The monolithic catheter hub of claim 49, wherein the plurality of grooves extend into the lumen.

61. (New) The catheter of claim 57, wherein the plurality of grooves extends into the lumen.

62. (New) The monolithic catheter hub of claim 47, further including an angled port, the angled port defining a lumen in fluid communication with the lumen extending between the proximal hub portion and the distal strain relief portion.

63. (New) The catheter of claim 54, wherein the monolithic hub further includes an angled port, the angled port defining a lumen in fluid communication with the lumen extending between the proximal hub portion and the distal strain relief portion.